

Special Issue

Optimization, Properties and Application of Polysaccharides

Message from the Guest Editors

This Special Issue aims to provide a comprehensive platform for researchers, scientists, and practitioners to present their latest findings, cutting-edge research, and innovative applications related to polysaccharides. We welcome original research articles and reviews that delve into extraction optimization, fundamental understanding of the structure and properties of polysaccharides, as well as their novel applications in various fields. Potential topics of interest for this Special Issue include, but are not limited to, the following:

- Extraction and processing of polysaccharides;
- Modifications of polysaccharides, such as chemical modification, enzymatic modification, and physical modification;
- Structural characterization of polysaccharides;
- Properties of polysaccharides, such as rheology, solubility, and stability;
- Polysaccharide-based foods with favorable textures and health effects;
- Polysaccharide-based functional and smart materials;
- Applications of polysaccharides, such as health (e.g., drug delivery, tissue engineering, and wound healing), environmental remediation, food, food packaging, cosmetics, personal care, and biotechnology.

Guest Editors

Dr. Tiago Linus Silva Coêlho

Dr. Luiz Brito de Souza Filho

Dr. Darlisson Slag Neri Silva

Deadline for manuscript submissions

closed (30 April 2025)



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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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